From the INTERNATIONAL SEARCHING AUTHORITY

To:			PCT					
see form	n PCT/ISA/220	•	WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY					
				(PCT Rule 43bis.1)				
			Date of mailing					
			•	see form PCT/ISA/210 (second sheet)				
Applicant's or agent's fi	ile reference							
see form PCT/ISA/	220		FOR FURTHER ACTION See paragraph 2 below					
International application PCT/GB2004/0023		International filing date (d 01.06.2004	Priority date (day/month/year) 05.06.2003					
International Patent Cla	ssification (IPC) or	both national classification	and IPC					
	JU, F03D3/02, F	03D3/04, F03D3/06, H	02K16/00, H02K	7/18				
Applicant INTEC POWER SY	VOTEMO LIMAITE	-						
THE CONTENTS	- LIVIS LIVITE	- - - - - - - - - -						
1. This opinion c	ontains indication	ons relating to the follo	wing items:					
Box No. I								
Box No. II	Priority							
☐ Box No. III Non-establishment of opinion with regard Box No. IV Lack of unity of invention			d to novelty inven	tive step and industrial and include				
				itivo step and industrial applicability				
Box No. V	Reasoned state applicability; cit	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement						
☐ Box No. VI Certain documents cited		ents cited	ample is ing occin at	awii e i i				
Box No. VII	Certain defects	in the international appli	cation					
☐ Box No. VIII		tions on the internationa						
2. FURTHER ACT	FURTHER ACTION							
the applicant cho	oses an Authority eau under Rule 6	Cother than this are to b	Authority ("IPEA"),	ill usually be considered to be a However, this does not apply where chosen IPEA has notifed the ational Searching Authority				
If this opinion is, submit to the IPE months from the whichever expire	as provided above A a written reply date of mailing of slater.	e, considered to be a write together, where appropriate Form PCT/ISA/220 or be	itten opinion of the ate, with amendme efore the expiration	IPEA, the applicant is invited to ents, before the expiration of three of 22 months from the priority date,				
For further option	For further options, see Form PCT/ISA/220.							
. For further details	s, see notes to Fo	rm PCT/ISA/220.						
		EV: 726	255639	US DOCUMENT				

Name and mailing address of the ISA:



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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

10/559589

International application No. PCT/GB2004/002352

			Basis of the opinion
	Box	No. I	Basis of the opinion
1.	With the la	regaro Ingua	d to the language, this opinion has been established on the basis of the international application in ge in which it was field, unless otherwise indicated under this item.
	•		pinion has been established on the basis of a translation from the original language into the following good, which is the language of a translation furnished for the purposes of international search Rules 12.3 and 23.1(b)).
2.	With	regard ssary (to any nucleotide and/or amino acid sequence disclosed in the international application and to the claimed invention, this opinion has been established on the basis of:
	a. typ	e of m	naterial:
		a se	equence listing
		tabl	e(s) related to the sequence listing
	b. for	nat of	material:
		in w	ritten format
		in co	omputer readable form
	c. time	of fili	ing/furnishing:
		cont	ained in the international application as filed.
		filed	together with the international application in computer readable form.
		furni	shed subsequently to this Authority for the purposes of search.
. 1	CO	pies i	ion, in the case that more than one version or copy of a sequence listing and/or table relating theretoen filed or furnished, the required statements that the information in the subsequent or additional is identical to that in the application as filed or does not go beyond the application as filed, as iate, were furnished.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/GB2004/002352

	Во	x No. II	Priority						
1.		☑ The following document has not been furnished:							
		copy of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(a)).							
			translation of the earlier application whose priority has been claimed (Rule 43bis.1 and 66.7(b)).						
		Conse neverti	quently it has not t	peen possi	ble to cons	ider the validity of the priority claim. This opinion has tion that the relevant date is the claimed priority date.			
2.		This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43bis.1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.							
3. Additional observations, if necessary:									
									
	_	r No. V ustrial a	Reasoned state pplicability; citat	ement und	ier Rule 43	bis.1(a)(i) with regard to novelty, inventive step or ns supporting such statement			
1.		tement				no oupporting such statement			
	Nov	elty (N)		Yes: No:	Claims Claims	3-5,7-9,11,14,15 1,2,6,10,12,13,16			
Inv		ventive step (IS)		Yes: No:	Claims Claims	4,5,7-9 1-3,6,10-16			
Inc	Indu	ıstrial ap	plicability (IA)	Yes: No:	Claims Claims	1-16			
2.	Citat	tions and	d explanations						
	900	congret	e choot						

Re Item V.

The following documents are referred to in this communication:

D1: US 3 697 765 A (CARINI EUGENE P) 10 October 1972 (1972-10-10)

D2: GB-A-2 341 646 (SHERIDAN BERNARD JOHN) 22 March 2000 (2000-03-

22)

D3: US-A-4 061 926 (PEED PAUL V) 6 December 1977 (1977-12-06)

2 **INDEPENDENT CLAIM 1**

The present application does not meet the criteria of Article 33(1) PCT, because 2.1 the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT. Document D1 discloses (the references in parenthesis applying to this document; see figures):

a generator for generating electric current comprising current generating means comprising first generator means and second generator means (40, 46 and 48) arranged to generate electric current in response to relative rotation between said first and second generator means;

a first rotary part having vanes (20), said first rotary part arranged to rotate in a first direction around an axis when exposed to a flow of air perpendicular to said axis;

said rotary part operatively connected to a first of said first and second generator means; wherein

said generator further comprises first rotary part barrier means arranged in stationary relation to said first rotary part (see col. 4, lines 5-7), said barrier means configured to provide a barrier sector comprising a barrier around a portion of the vane free edge path of said first rotary part, said barrier extending between an air inlet region in which a porion of the vane front edge path is exposed to allow the underside of a vane to be exposed to a flow of air, and an air outlet region in which a portion of the vane front edge path is exposed to allow the underside of a vane to be exposed following rotation through said barrier sector to allow the discharging of air,

said barrier means configured to inhibit air which follows a vane rotating into said barrier sector from discharging outside of the vane free edge path whilst said vane is rotating through said barrier sector.

- DEPENDENT CLAIMS 2, 3, 6, 10-16
 Dependent claims 2, 3, 6, 10-16 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step (Article 33(2) and (3) PCT).
- In particular, document D1 further shows the technical features of claims 2, 6, 10, 12, 13 and 16 (see figures and the passages cited in the search report) thus rendering the subject matter of claims 2, 6, 10, 12, 13 and 16 not new in the sense of Article 33(2) PCT.
- The features of dependent claims 3, 14 and 15 have already been employed for the same purpose in a similar generator, see document D2, figures. It would therefore be obvious to the person skilled in the art, to apply these features with corresponding effect to a generator according to document D1, thereby arriving at a generator according to claims 3, 14 and 15. The subject-matter of claims 3, 14 and 15 does not involve an inventive step in the sense of Article 33(3) PCT.
- 3.3 The features of dependent claim 11 have already been employed for the same purpose in a similar generator, see document D3, figure 2 (the rotary part binding means 42, 46, 48 between the vanes). It would therefore be obvious to the person skilled in the art, to apply these features with corresponding effect to a generator according to document D1, thereby arriving at a generator according to claim 11. The subject-matter of claim 11 does not involve an inventive step in the sense of Article 33(3) PCT.
- DEPENDENT CLAIMS 4, 5, 7-9

 Claims 4, 5, 7-9 are new and inventive (Article 33(2) and (3) PCT).

 The combination of the features of dependent claim 4 shows a generator wherein the axial shaft comprises sections each releasably engageable with at least one other section. This feature facilitates the transport, construction and maintenance of the wind powered generator and facilitates the replacement of a section or component thereof.